

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number : 10/578,493 Confirmation No.: 7885  
Applicant : Laurent DESIRE  
International Filing Date : November 5, 2004  
Title : BACE455, AN ALTERNATIVE SPLICE VARIANT OF THE  
HUMAN BETA-SECRETASE  
TC/Art Unit : 1649  
Examiner: : Olga CHERNYSHEV  
Docket No. : 67987.000002  
Customer No. : **21967**

**Mail Stop Box Sequence**  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Third Substitute Sequence Listing and Statements under 37 C.F.R. §§ 1.821 and 1.825**

Sir:

In accordance with the provisions of 37 C.F.R. §§ 1.821-1.825, Applicant submits herewith a third substitute "Sequence Listing," including a paper copy totaling twelve (12) pages and a computer readable copy as a "txt" file in ASCII format as required by 37 C.F.R. §§ 1.821(e) and 1.825(a).

The information in line <213> for SEQ ID NOs 3-33 was amended to "Artificial Sequence"; the information in line <223> was amended to "Distinctive fragment of a BACE455 polypeptide"; and the information in line <223> was amended to "APP sequence near the beta-secretase cleavage site." Support for these amendments may be found throughout the specification as originally filed. *See, e.g.,* page 4, lines 2-4; page 9, lines 21-32; page 13, lines 17-23; page 26, lines 12-24 and Figure 1. Applicant respectfully requests entry of this amendment and submits that no new matter has been added.

In accordance with the provisions of 37 C.F.R. § 1.821(a), the undersigned hereby states that the amendment to the paper copy of the "Sequence Listing" is accompanied by a substitute copy of the computer readable form including all previously submitted data with the amendment incorporated therein.

In accordance with the provisions of 37 C.F.R. §§ 1.825(a) and 1.825(b), the undersigned hereby states that the content of the computer readable copy of the substitute "Sequence Listing" and the paper copy of the substitute "Sequence Listing" submitted herewith do not constitute new matter.

In accordance with the provisions of 37 C.F.R. § 1.821(f), the undersigned hereby states that the content of the computer readable ".txt" copy of the substitute "Sequence Listing" and the paper copy of the substitute "Sequence Listing" submitted herewith are identical.

**Applicant respectfully requests entry of the substitute "Sequence Listing" submitted herein.**

**CONCLUSION**

It is believed that no additional fees are required with this submission.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: March 6, 2009

By: 

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